

CRF Error Corrected by the STIC System

CRF Processing Date: 2/24/03

Edited by: [Signature]

Verified by: [Signature] (STIC staff)

Serial Number: 09/254,032B

☐

Changed a file from non-ASCII to ASCII

☒

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒

Corrected subheading placement. All responses must be on the same line as each subheading. The applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☐

Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as

☐

Inserted mandatory headings, specifically:

☐

Corrected an obvious error in the response, specifically:

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically:

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

☐

Other:

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

ENTERED

RECEIVED RECEIVED  
FEB 25 2003  
FEB 26 2003  
TECH CENTER 1800/2900  
TECH CENTER 1800/2900

RECEIVED

FEB 25 2003

TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw

```

3 <110> APPLICANT: SERRE, Guy
4     GIRBAL-NEUHAUSER, Elizabeth
5     VINCENT, Christian
6     SIMON, Michel
7     SEBBAG, Mireille
8     DALBON, Pascal
9     JOLIVET-REYNAUD, Colette
10    ARNAUD, Michel
11    JOLIVET, Michel
13 <120> TITLE OF INVENTION: ANTIGENS DERIVED FROM FILAGGRIN AND THEIR USE
14    FOR DIAGNOSING RHEUMATOID POLYARTHRITIS
16 <130> FILE REFERENCE: 33339/176332
18 <140> CURRENT APPLICATION NUMBER: 09/254,032B
19 <141> CURRENT FILING DATE: 1999-04-26
21 <150> PRIOR APPLICATION NUMBER: PCT/FR97/01541
22 <151> PRIOR FILING DATE: 1997-09-01
24 <150> PRIOR APPLICATION NUMBER: FR96/10651
25 <151> PRIOR FILING DATE: 1996-08-30
27 <160> NUMBER OF SEQ ID NOS: 7
29 <170> SOFTWARE: PatentIn version 3.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 24
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Primer for amplification of a human filaggrin unit.
39 <400> SEQUENCE: 1
40   ttccctataacc aggtgagcac tcat           24
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 25.
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Primer for amplification of a human filaggrin unit.
51 <400> SEQUENCE: 2
52   agaccctgaa cgtccagacc gtccc           25
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 49
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapiens
60 <400> SEQUENCE: 3
62   Ser Thr Gly His Ser Gly Ser Gln His Ser His Thr Thr Thr Gln Gly
63   1           5           10           15

```

## RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw

65 Arg Ser Asp Ala Ser Arg Gly Ser Ser Gly Ser Arg Ser Thr Ser Arg  
 66 20 25 30  
 68 Glu Thr Arg Asp Gln Glu Gln Ser Gly Asp Gly Ser Arg His Ser Gly  
 69 35 40 45

71 Ser

75 &lt;210&gt; SEQ ID NO: 4

76 &lt;211&gt; LENGTH: 37

77 &lt;212&gt; TYPE: PRT

78 &lt;213&gt; ORGANISM: Homo sapiens

80 &lt;400&gt; SEQUENCE: 4

82 Ser Gln Asp Arg Asp Ser Gln Ala Gln Ser Glu Asp Ser Glu Arg Arg

83 1 5 10 15

85 Ser Ala Ser Ala Ser Arg Asn His Arg Gly Ser Ala Gln Glu Gln Ser

86 20 25 30

88 Arg Asp Gly Ser Arg

89 35

92 &lt;210&gt; SEQ ID NO: 5

93 &lt;211&gt; LENGTH: 14

94 &lt;212&gt; TYPE: PRT

95 &lt;213&gt; ORGANISM: Homo sapiens

97 &lt;400&gt; SEQUENCE: 5

99 Glu Gln Ser Ala Asp Ser Ser Arg His Ser Gly Ser Gly His

100 1 5 10

103 &lt;210&gt; SEQ ID NO: 6

104 &lt;211&gt; LENGTH: 14

105 &lt;212&gt; TYPE: PRT

106 &lt;213&gt; ORGANISM: Homo sapiens

108 &lt;400&gt; SEQUENCE: 6

110 Glu Ser Ser Arg Asp Gly Ser Arg His Pro Arg Ser His Asp

111 1 5 10

114 &lt;210&gt; SEQ ID NO: 7

115 &lt;211&gt; LENGTH: 324

116 &lt;212&gt; TYPE: PRT

117 &lt;213&gt; ORGANISM: Homo sapiens

119 &lt;220&gt; FEATURE:

120 &lt;221&gt; NAME/KEY: VARIANT

121 &lt;222&gt; LOCATION: (3)..(3)

122 &lt;223&gt; OTHER INFORMATION: Y replaced by I

125 &lt;220&gt; FEATURE:

126 &lt;221&gt; NAME/KEY: VARIANT

127 &lt;222&gt; LOCATION: (12)..(12)

128 &lt;223&gt; OTHER INFORMATION: E replaced by D

131 &lt;220&gt; FEATURE:

132 &lt;221&gt; NAME/KEY: VARIANT

133 &lt;222&gt; LOCATION: (14)..(14)

134 &lt;223&gt; OTHER INFORMATION: S replaced by A or T

137 &lt;220&gt; FEATURE:

138 &lt;221&gt; NAME/KEY: VARIANT

139 &lt;222&gt; LOCATION: (17)..(17)

## RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw

140 <223> OTHER INFORMATION: R replaced by Q or W  
143 <220> FEATURE:  
144 <221> NAME/KEY: VARIANT  
145 <222> LOCATION: (18)..(18)  
146 <223> OTHER INFORMATION: S replaced by A or T  
149 <220> FEATURE:  
150 <221> NAME/KEY: VARIANT  
151 <222> LOCATION: (19)..(19)  
152 <223> OTHER INFORMATION: G replaced by R, A or V  
155 <220> FEATURE:  
156 <221> NAME/KEY: VARIANT  
157 <222> LOCATION: (20)..(20)  
158 <223> OTHER INFORMATION: T replaced by P  
161 <220> FEATURE:  
162 <221> NAME/KEY: VARIANT  
163 <222> LOCATION: (23)..(23)  
164 <223> OTHER INFORMATION: G replaced by R  
167 <220> FEATURE:  
168 <221> NAME/KEY: VARIANT  
169 <222> LOCATION: (24)..(24)  
170 <223> OTHER INFORMATION: G replaced by R  
173 <220> FEATURE:  
174 <221> NAME/KEY: VARIANT  
175 <222> LOCATION: (29)..(29)  
176 <223> OTHER INFORMATION: H replaced by R  
179 <220> FEATURE:  
180 <221> NAME/KEY: VARIANT  
181 <222> LOCATION: (31)..(31)  
182 <223> OTHER INFORMATION: E replaced by D or Q  
185 <220> FEATURE:  
186 <221> NAME/KEY: VARIANT  
187 <222> LOCATION: (34)..(34)  
188 <223> OTHER INFORMATION: R replaced by Q  
191 <220> FEATURE:  
192 <221> NAME/KEY: VARIANT  
193 <222> LOCATION: (38)..(38)  
194 <223> OTHER INFORMATION: R replaced by G  
197 <220> FEATURE:  
198 <221> NAME/KEY: VARIANT  
199 <222> LOCATION: (41)..(41)  
200 <223> OTHER INFORMATION: T replaced by A  
203 <220> FEATURE:  
204 <221> NAME/KEY: VARIANT  
205 <222> LOCATION: (44)..(44)  
206 <223> OTHER INFORMATION: E replaced by Q or D  
209 <220> FEATURE:  
210 <221> NAME/KEY: VARIANT  
211 <222> LOCATION: (50)..(50)  
212 <223> OTHER INFORMATION: H replaced by R

## RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw

215 <220> FEATURE:  
216 <221> NAME/KEY: VARIANT  
217 <222> LOCATION: (51)..(51)  
218 <223> OTHER INFORMATION: G replaced by A  
221 <220> FEATURE:  
222 <221> NAME/KEY: VARIANT  
223 <222> LOCATION: (52)..(52)  
224 <223> OTHER INFORMATION: H replaced by R  
227 <220> FEATURE:  
228 <221> NAME/KEY: VARIANT  
229 <222> LOCATION: (55)..(55)  
230 <223> OTHER INFORMATION: S replaced by P  
233 <220> FEATURE:  
234 <221> NAME/KEY: VARIANT  
235 <222> LOCATION: (56)..(56)  
236 <223> OTHER INFORMATION: S replaced by R  
239 <220> FEATURE:  
240 <221> NAME/KEY: VARIANT  
241 <222> LOCATION: (57)..(57)  
242 <223> OTHER INFORMATION: S replaced by R  
245 <220> FEATURE:  
246 <221> NAME/KEY: VARIANT  
247 <222> LOCATION: (58)..(58)  
248 <223> OTHER INFORMATION: G replaced by R  
251 <220> FEATURE:  
252 <221> NAME/KEY: VARIANT  
253 <222> LOCATION: (61)..(61)  
254 <223> OTHER INFORMATION: Q replaced by H  
257 <220> FEATURE:  
258 <221> NAME/KEY: VARIANT  
259 <222> LOCATION: (63)..(63)  
260 <223> OTHER INFORMATION: S replaced by Y  
263 <220> FEATURE:  
264 <221> NAME/KEY: VARIANT  
265 <222> LOCATION: (64)..(64)  
266 <223> OTHER INFORMATION: H replaced by Y  
269 <220> FEATURE:  
270 <221> NAME/KEY: VARIANT  
271 <222> LOCATION: (65)..(65)  
272 <223> OTHER INFORMATION: Y replaced by H  
275 <220> FEATURE:  
276 <221> NAME/KEY: VARIANT  
277 <222> LOCATION: (68)..(68)  
278 <223> OTHER INFORMATION: S replaced by L  
281 <220> FEATURE:  
282 <221> NAME/KEY: VARIANT  
283 <222> LOCATION: (69)..(69)  
284 <223> OTHER INFORMATION: V replaced by A  
287 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:10

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw

288 <221> NAME/KEY: VARIANT  
289 <222> LOCATION: (70)..(70)  
290 <223> OTHER INFORMATION: D replaced by N  
293 <220> FEATURE:  
294 <221> NAME/KEY: VARIANT  
295 <222> LOCATION: (71)..(71)  
296 <223> OTHER INFORMATION: R replaced by S  
299 <220> FEATURE:  
300 <221> NAME/KEY: VARIANT  
301 <222> LOCATION: (72)..(72)  
302 <223> OTHER INFORMATION: S replaced by T  
305 <220> FEATURE:  
306 <221> NAME/KEY: VARIANT  
307 <222> LOCATION: (75)..(75)  
308 <223> OTHER INFORMATION: S replaced by R  
311 <220> FEATURE:  
312 <221> NAME/KEY: VARIANT  
313 <222> LOCATION: (78)..(78)  
314 <223> OTHER INFORMATION: H replaced by Q  
317 <220> FEATURE:  
318 <221> NAME/KEY: VARIANT  
319 <222> LOCATION: (80)..(80)  
320 <223> OTHER INFORMATION: S replaced by T  
323 <220> FEATURE:  
324 <221> NAME/KEY: VARIANT  
325 <222> LOCATION: (84)..(84)  
326 <223> OTHER INFORMATION: S replaced by T  
329 <220> FEATURE:  
330 <221> NAME/KEY: VARIANT  
331 <222> LOCATION: (92)..(92)  
332 <223> OTHER INFORMATION: H replaced by R  
335 <220> FEATURE:  
336 <221> NAME/KEY: VARIANT  
337 <222> LOCATION: (94)..(94)  
338 <223> OTHER INFORMATION: T replaced by S, Q or H  
341 <220> FEATURE:  
342 <221> NAME/KEY: VARIANT  
343 <222> LOCATION: (100)..(100)  
344 <223> OTHER INFORMATION: A replaced by T  
347 <220> FEATURE:  
348 <221> NAME/KEY: VARIANT  
349 <222> LOCATION: (103)..(103)  
350 <223> OTHER INFORMATION: Q replaced by E or T  
353 <220> FEATURE:  
354 <221> NAME/KEY: VARIANT  
355 <222> LOCATION: (105)..(105)  
356 <223> OTHER INFORMATION: R replaced by H  
359 <220> FEATURE:  
360 <221> NAME/KEY: VARIANT

**VERIFICATION SUMMARY**

DATE: 02/21/2003

PATENT APPLICATION: US/09/254,032B

TIME: 16:03:11

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\02212003\I254032B.raw



1600

Does Not Comply  
Corrected Sequence Needed

## RAW SEQUENCE LISTING

DATE: 02/20/2003

PATENT APPLICATION: US/09/254,032B

TIME: 14:27:29

Input Set : A:\176332 SEQUENCE LISTING.txt

Output Set: N:\CRF4\02202003\I254032B.raw

3 <110> APPLICANT: SERRE, Guy  
 4 GIRBAL-NEUHAUSER, Elizabeth  
 5 VINCENT, Christian  
 6 SIMON, Michel  
 7 SEBBAG, Mireille  
 8 DALBON, Pascal  
 9 JOLIVET-REYNAUD, Colette  
 10 ARNAUD, Michel  
 11 JOLIVET, Michel  
 13 <120> TITLE OF INVENTION: ANTIGENS DERIVED FROM FILAGGRIN AND THEIR USE  
 14 FOR DIAGNOSING RHEUMATOID POLYARTHRITIS  
 16 <130> FILE REFERENCE: 33339/176332  
 18 <140> CURRENT APPLICATION NUMBER: 09/254,032B  
 19 <141> CURRENT FILING DATE: 1999-04-26  
 21 <150> PRIOR APPLICATION NUMBER: PCT/FR97/01541  
 22 <151> PRIOR FILING DATE: 1997-09-01  
 24 <150> PRIOR APPLICATION NUMBER: FR96/10651  
 25 <151> PRIOR FILING DATE: 1996-08-30  
 27 <160> NUMBER OF SEQ ID NOS: 7  
 29 <170> SOFTWARE: PatentIn version 3.1

## ERRORED SEQUENCES

31 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 24  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial Sequence  
 36 <220> FEATURE:  
 37 <223> OTHER INFORMATION: Primer for amplification of a human filaggrin unit.  
 39 <400> SEQUENCE: 1  
 E--> 40 ttcctatacc aggtgagcac tcat  
 41 (24)  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 25  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Primer for amplification of a human filaggrin unit.  
 52 <400> SEQUENCE: 2  
 E--> 53 agaccctgaa cgtccagacc gtccc  
 54 (25)



## VERIFICATION SUMMARY

DATE: 02/20/2003

PATENT APPLICATION: US/09/254,032B

TIME: 14:27:30

Input Set : A:\176332 SEQUENCE LISTING.txt

Output Set: N:\CRF4\02202003\I254032B.raw

L:40 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:24 SEQ:1

L:53 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:2